JAN 1 6 2012 LE LEADENING

SEQUENCE LISTING

<110 - Kato, Seishi Sekine, Shingo Kimura, Tomoko Kobayashi, Midori

<120 HUMAN PROTEINS HAVING SECRETORY SIGNAL SEQUENCES AND DNAS ENCODING THESE PROTEINS

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Gln Leu Phe Gly Asp Glu Leu Gly Trp Arg Val Leu Glu Pro Glu Leu 115 120 129

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atg Met	aga Arg	ccc Pro	agc Ser	tgt Cys 30	gct Ala	cct Pro	gga Gly	tgg Trp	ttt Phe 35	tac Tyr	cac His	aag Lys	tcc Ser	aat Asn 40	tgc Cys	269
tat Tyr	ggt Gly	tac Tyr	tto Phe 45	agg Arg	aag Lys	oty Leu	agg Arg	aad Asn 50	lyy Trp	let Ser	gat Asp	gdd Ala	gag Glu 55	ctc Leu	gag Glu	317
tgt Cys	cag Gln	tct Ser 60	tac Tyr	gga Gly	aac Asn	gga Gly	gcc Ala 65	cac His	ctg Leu	gca Ala	tct Ser	atc Ile 70	ctg Leu	agt Ser	tta Leu	365
aag Lys	gaa Glu 75	gcc Ala	agc Ser	acc Thr	ata Ile	gca Ala 80	gag Glu	tac Tyr	ata Ile	agt Ser	ggc Gly 85	tat Tyr	cag Gln	aga Arg	agc Ser	413
cag Gln 90	ccg Pro	ata Ile	tgg Trp	att Ile	ggc Gly 95	ctg Leu	cac His	gac Asp	cca Pro	cag Gln 100	aag Lys	agg Arg	cag Gln	cag Gln	tgg Trp 105	461
cag Gln	tgg Trp	att Ile	gat Asp	ggg Gly 110	gcc Ala	atg Met	tat Tyr	ctg Leu	tac Tyr 115	aga Arg	tcc Ser	tgg Trp	tot Ser	ggc Gly 120	aag Lys	509
tcc Se:	atg Met	ggt Gly	ggg Gly 1.:5	aac Asn	aag Lys	cac nis	tgt Cys	get Ala 130	gag Glu	atg Met	agc Ser	toc Ser	aat Asn 140	aac Asn	aac Asn	557
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                                                                        215
Val Pro Ile Ask Asp Pro Glu Asp Gly Gly Lys His Trp Val Val Ile
gtg goa ggt toa aat ggo tgg tat aat tat agg cas cag goa gad geg
                                                                        263
Val Ala Gly Ser Asn Gly Trp Tyr Asn Tyr Arg His Gln Ala Asp Ala
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Leu Trp Ala Ala Leu Leu Gly Ala Val Ala Leu Arg Fro Ala Glu
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Ala Val Ser Glu Pro Thr Thr Val Ala Phe Asp Val Arg Pro Gly Gly
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ong tin aag ong gig att gig gor aag goa nog ogo act gag ing
Leu Ser Lys Leu Val Ile Val Ala Lys Ala Ser Arg Thr Slu Leu
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tyakkaagaa ji costyttysig ligytyyka hit listoatotoo gytgaagiity laalyygiinty 587
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                                                Met Gly Val Lys Leu
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Glu Ile Fhe Arg Met Ile Ile Tyr Leu Thr Fhe Fre Val Ala Met Ehe
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	att maa gag gtg ggg lle Clm Glm Val Gly 210	
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gag cg Glu Ar	o tgt g Cys 410	Asp	cta Leu	tge Cys	aaq Lys	ocq Pro 415	aac Gly	ttc Phe	act Thr	dda Gly	ctc Leu 420	acc Thr	tac Tyr	gec Ala	2022
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agg ga Arg As 440	c atg p Met	ccg Pro	tgt Cys	gac Asp 445	gag Glu	gag Glu	agt Ser	31y 3gg	ege Arg 450	igc Cys	ctt Leu	tgt Cys	ctg Leu	ccc Pro 455	2118
aac gt Asn Va	l Val	Gl;	Pro 460	Lys	Cys	Asp	Gln	Cys 165	Ala	Pro	Tyr	His	Trp 470	Lys	.2166
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tcc ct Ser Le	1 Ser 490	Pro	Gln	Сув	Asn	Gln 495	Phe	Thr	Gly	Gln	Cys 500	Pro	Cys	Arg	2262
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acc (Thr (cag Gln	gtg Val	agc Ser 875	gcc Ala	agc Ser	cgc Arg	tcc Ser	cag Gln 880	atg Met	gag Glu	gaa Glu	gat Asp	gtc Val 885	aga Arg	cgc Arg	3414
aca (Thr <i>l</i>	ega Arg	ctc Leu 890	ctā Leu	atc Ile	caq Glr.	cag Gln	gtc Val 395	cgg Arg	gac Asp	tta Phe	cta Leu	ada Thr 900	gac Asp	ecc Pro	gac Asp	3462
act (Thr <i>l</i>	gat Asp 905	gca Ala	gcc Ala	act Thr	atc Ile	cag Gln 910	gag Glu	gtc Val	agc Ser	gag Glu	gcc Ala 915	gtg Val	ctg Leu	gcc Ala	ctg Leu	3510
tgg (Trp : 920	ctg Leu	aac Pro	aca Thr	gac Asp	tca Ser 925	gct Ala	act Thr	gtt Val	ctg Leu	cag Gln 930	aag Lys	atg Met	aat Asn	gag Glu	atc 11e 935	3558
cag (Gln)	gcc Ala	att Ile	gca Ala	gcc Ala 940	agg Arg	ctc Leu	cac Pro	aac Asn	gtg '7al 945	gac Asp	ttg Leu	gtg Val	ctg Leu	taa Ser 950	cag Gln	2606
acc . Thr :	aag Lys	cag Gln	gac Asp 955	att Ile	gcg Ala	cgt Arg	gcc Ala	ege Arg 960	ogğ Arg	ttg Leu	cag Gln	gct Ala	gag Glu 965	gct Ala	gag Glu	3654
gaa Glu	gcc Ala	agg Arg 920	agc Ser	cga Arq	gcc Ala	cat His	gca Ala 975	gtg Val	gag Glu	ggc Glv	cag Gln	gtg Val gen	gaa Glu	gat Asp	gtg Val	3702
1 V 4.1	334 115 941	Asti	er a Jest	At i	terd Flir.	3 3 3 1] y 3 40		1,1	1 1 a All a	71 q 1 + 3	11 4 4 11 11 4 14	::::	žil i	14.J 111.	14.5 2021	arra,
acc Thr 1000	Met	caa Gln	ggc Gly	acc Thr	ago Ser 100	Arg	tac Ser	ctt Leu	cgg Arg	ctt Leu 101	Tle	cag Gln	gac Asp	agg Arg	gtt Val 1015	3798
							JJI Ani								ad t De t)

[.] Na konsago prokonsago mago mago predicipina opago dina odinin modelidi no mago mago modelimini. Posti no mito

101.11 1055 1060 gon gaa ggt goo ago gas bay goa tig agi goo baa gag gga tii gag . Ala Glu Gly Ala Ger Glu Gln Ala Leu Ser Ala Gln Glu Gly Fhe Glu uga ata waa waa aag tat goo gag tog aag gab ogg tog goo war agt Arg The Tye Glin Tye Tye Ala Gliu Leu Tys Asp Arg Teu Gly Glin See 10-0 1090 the aty one get gay has get goology and day agt gig aag ada gag 46,80 Ser Met Leu Gly Glu Gin Gly Ala Arg Ile Gin Ser Val Lys Thr Giu goa qaq dag sid itti gip gaq ass atg gaq atg atg gas agu atq ada Ala Glu Glu Leu The Gly Glu Thr Met Glu Met Met Asp Arg Met Lys 1120 gad atg gag ttg gag otg otg ogg ggd agd dag gdd atd atg otg ogd 4182 Asp Met Glu Leu Glu Leu Leu Arg Gly Ser Gln Ala Ile Met Leu Arg 1130 1135 tca geg gae etg aca gga etg gag aag egt gtg gag eag ate egt gae 4230 Ser Ala Asp Leu Thr Gly Leu Glu Lys Arg Val Glu Gln Ile Arg Asp 1150 4279 cac atc aat ggg ege gtg etc tac tat gec acc tgc aag tgatgetaca. His fie Asn Gly Ar; Val Lou Tyr Tyr Ala Thr Cys Lys 1160 1165 gettecaque egitgeecea eteatetgee geotttgott tiggitgggg geagatiggg 4339. tiggaalgot tinzalotzu aggagastti salgoagoot aaagtasags oliggassass 1399 colygigidi agriagiaaq attaccotqa goigoagoig agoitgagio aatgggabag 4459 ttäcanttiga päyapaäägä tyytygägät tiggoatgoca ttyaaastaa yagotutmaa 451% gtoaaggaag otyggotggy bagtatoodd ogodtttagt totobadthy ghaqqaator 4579 tggancaago ahaaaaanti aabaaaagtg atgtaaaaat gaaaagbbaa ataaaaatpprox 46394667 tiggaaaaqa gootggaqgt toaabgag. and a Horoman Land 5221 - CDS $+222 + (135) \dots (503)$

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Ash Ser Ala Ash Asp Gin Ash Led Gly Ash Gly His Gly Lys Asp Led
                     30
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 out aat gga gig aag olig gig gag aba boo gag gag am big tib
 Led Ash Gly Val Lys Led Val Val Bld Thr Fro Gld Gld Thr Led Fne
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get too beg aboungs aganged get tigt and gty tit and get and yes
Ala Ser Pro Thr Arg Arg Ala Ala Cys Thr Val Pho Thr Ala Thr Ala
age act agg acc tgg gge cot obuloty bog cat too it havt gge tgt
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Ser Thr Arg Thr Trp Gly Pro Pro Leu Pro His Ser Leu Thr Gly Cys
                                                                        100
gta tit att gag tgg tio git tio oot igt ggg tig gag oba tit
                                                                                                                                                     503
 Val Phe Ile Glu Trp Phe Val Phe Pro Cys Gly Lou Glu Pro Fhe
                                                               115
taactgtttt tatacttoto aatttaaatt tiotitaaad atittiitad tattittigt 563
aaagcaaaca gaacccaatg cotocotttg ctootggatg coccastsca ggaatcatgs 623
tigotoccci gggccatitg oggittigig ggctleigga gggttindeg cealecagge 683
tggtotocot coottaagga ggttggtgoo cagagtgggo ggtggootyt stagaatgoo 743
googggagto ogggoatggt gggoadagtt etdeetgeed etdayertgg gggaagaaga 803
gggcologgg ggcologga golgggollt gggcolote tar tartleteta 863
tgaageeget gaccceagte tgeecactga ggggetaggg etggaageen gttotagget 923
tocaggogaa agotgaggga aggaagääab toccotocoo gttoccouto cectotoggt 983.
tocaaagaat otgittigit gidattigit totootgitti ooolgi gigg ggaggggood 1043
toaggtgtgt gtactttgga caataaatgg tgctatgact goo
<210> 27
+2115 366
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· war ar in the contract
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tinnadadt tid inn af dilgadi agallatti inna dhibitina idha ithir ting imir imir imir idha (11)
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			ot tta aag aaa gt .a Leu Lys Lys Va	
			ig dag tit giv s u Gln Phe Val Lo 105	
	Giu Thr Inr A		it tot bet gat ge pu Ser Pro Asp Gl 120	
			et ong aca git aq er Leu Thr Val Ar 135	
			it get tad gaa ed Yr Ala Tyr Glu Fr 0	
			ia get ete aag ti rs Ala Leu Lys Le 17	eu Leu Lys Thr
gaa itg Glu Leu 175	taadjuuqua ad	atotobaa goob	ntotyt stytwyg:	:: tigagactig 647
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